

Dayton Hamvention®

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DAYTON HAMVENTION® 2009

May 15, 16 & 17, 2009

“Digital Radio Enabling Amateurs to do More”

Forum Details – Friday May 15th Sorted By Room & Time

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|--------------------------------|--|---------------|
| 9:15 a.m. – 11:15 a.m. | TAPR
Moderator: Steven Bible, N7HPR <ul style="list-style-type: none">• “New Timing Products”, John Ackermann, N8UR• “HPSDR Manufacturing Update” Scotty Cowling, WA2DFI• “From Napkin to Hamshack: Creating a TAPR Project”• “Open Source to Open Hardware: What it means to you?”• ARRL/TAPR Digital Communications Conference Update | Room 1 |
| 11:30 a.m. - 12:30 p.m. | APRS
Moderator: Stan Horzepa, WA1LOU
“Universal Ham Radio Text”, Bob Bruninga, WB4APR
“New Byonics APRS Products”, Byon Garrabrant, N6BG
“New VHS Products APRS Products”, Allen Lord, AF60F
“New Argent Systems APRS Products”, Scott Miller, N1VG
“New RPC Electronics APRS Products”, Jason Rausch, KE4NYV | Room 1 |
| 12:45 p.m. - 2:15 p.m. | D-Star
Moderator: Greg Sarratt, W4OZK <ul style="list-style-type: none">• “D-STAR Update, and the Alabama D-STAR Group”, Greg Sarratt, W4OZK, ARRL Director- Southeastern Division, Co-founder of Alabama D-STAR project, www.arrl-al.org/Alabama link.htm• “D-STAR introduction and description of Georgia statewide systems”, John Davis, WB4QDX, Georgia D-STAR Group, Emergency Coordinator for Gwinnett County, Georgia, www.dstarinfo.com• “D-STAR developments in Northern Illinois”, Kermit Carlson, K9XA, Engineering Physicist, Fermilab National Accelerator Laboratory,• Fox River Radio League, www.frrl.org• “D-RATS, the D-STAR digital data software”, Dan Smith, KK7DS, Software Engineer, IBM Linux Technology Center, www.d-rats.com/wiki/• “DV Dongle / D-PLUS”, Robin Cutshaw, AA4RC, computer/network consultant by day and a D-STAR addict by night, www.dvdongle.com | Room 1 |

- 2:30 p.m. - 5:00 p.m.** **Antenna** **Room 1**
Moderator: Tim Duffy, K3LR
- “Loop Array Runs Circles Around The Beverage”, Eric Scace, K3NA
 - “Thoughts on Antenna Positions, Sloped Ground and Foregrounds”, Dr. Dave Leeson, W6NL
 - “An Effective Low Band Antenna for Small Lots”, Rob Sherwood, NC0B
 - “K4ZA’s Tips, Tricks and Toolbox”, Don Daso, K4ZA
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- 9:15 a.m. - 10:15 a.m.** **Engineering Manuals** **Room 2**
Moderator: Dino Papas, KL0S
- Have you ever tried to remember exactly how you interfaced your digital communications equipment long ago? Do you look behind your radio desk and wonder where all those wires go? This forum presents a discussion of methods hams can use to maintain current equipment and software documentation, operation notes, and interconnections of station gear -- keep yourself from having to "reinvent the wheel" whenever you need to troubleshoot or change your station's configuration.
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- 10:30 a.m. - 12:00 p.m.** **Drake** **Room 2**
Moderator: Evan Rolek, K9SQG
Fellowship through Restoring Drake Equipment
- "Helping Each Other: Technical Assistance and Parts for Drake Equipment", Mark, WB0IQK
 - "Making It New Again: You See the Panel First", Tony, KF8MW
 - "Sharing Proven Techniques for Restoring and Refurbishing Drake and Vintage Equipment", Ron, WB4HFN
 - "Quick Tips and Tricks: Enhancing Drake Equipment", Evan, K9SQG
 - "Ask the Friendly Experts: Technical Question and Answer Period", Jeff WA8SAJ, Gary W8PU, Mark WB0IQK, and Bill WD8DFP
- Free Prize Drawing
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- 12:15 p.m. - 1:15 p.m.** **ARRL/QST Presents “The Doctor Is In”** **Room 2**
Moderator: Joel Hallas, W1ZR
- Come ask *QST*'s "Doctor" your technical Amateur Radio questions in person. *QST*'s Technical Editor will provide his best answer on the spot, or get back to you shortly after the Hamvention. Some questions and answers may end up in *QST*, if they seem likely to be helpful to our readers. This will be an informal sleeve's rolled up chalk talk environment. Bring your questions, or it won't work. *QST* is the membership journal of ARRL, the national association for Amateur Radio.

- 1:30 p.m. - 2:30 p.m.** **ARRL Public Relations** **Room 2**
Moderator: Allen Pitts, W1AGP
Reaching out to the public is the life blood of Amateur Radio! From land- and property-use restrictions to recruiting, our ability to enjoy the service depends on keeping a positive image. Now ARRL introduces PR-101, a course to teach hams the basics of making and keeping a good relationship with your town and the media. If “every ham is a Public Information Officer,” then every ham needs to know these skills.
- 2:45 p.m. - 3:45 p.m.** **Foxhunting** **Room 2**
Moderator: Dick Arnett, WB4SUV
Speakers: Bob Frey, WA6EZV
 Brian DeYoung, K4BRI
- 4:00 p.m. – 5:00 p.m.** **County Hunting** **Room 2**
Moderator: Dick Arnett, WB4SUV
“Mobile County Hunting and Rental Car: Installation and Airline Travel Considerations”, Tim Eklin, W8JJ
“Mapping Software for Trip Planning: Street Atlas, Paper Maps, and Satellite Images”, Jeffrey Napier, AF3X
- 9:15 a.m. - 10:15 a.m.** **Kit Building** **Room 3**
Moderator: Joe Eisenberg, K0NEB
Rediscover the joy of building your own equipment! There are kits for all levels from beginner to expert. This fun program will cover many aspects of kit-building and the skills you need to get started (or finish that project you set aside).
- 10:30 a.m. – 12:00 p.m.** **Teachers Workshop** **Room 3**
Moderator: Carole Perry, WB2MGP
Practical suggestions, ideas, and resources for teachers and ham radio instructors who work with youngsters.
- “How I Use Ham Radio As a Motivator in My All Ham Family”, Steve Makky, KA2AYR; Susan Makky, KC0BLF
 - “How to Recruit and Keep Kids Interested In Ham Radio”, Steve Meer, K0SCC
 - “How The Lake Monroe Amateur Radio Society is making a difference in the education of youth in their communities”, David Jordan, AA4KN

- 12:15 p.m. – 2:00 p.m.** **Ham Radio and the Law** **Room 3**
Moderator: Jim O’Connell, W9WU
Getting It Up and Keeping It Up
"Antenna Zoning for the Radio Amateur", Fred Hopengarten, K1VR,
Brennan T. Price, N4QX, Attorney & ARRL Technical Relations Manager
Paula Uscian, K9IR, ARRL Volunteer Counsel
A discussion by Amateur Radio attorneys on legal issues of interest to
hams:
- Avoid restrictive covenants
 - Present your case for a tower permit
 - Defend against nuisance claims
- Plus, the latest court rulings on RFI, PRB-1 and towers as well as updates
on the ARRL's Legal Defense and Assistance Committee
- 2:15 p.m. - 3:30 p.m.** **CLASSroom ANTICS for ham elmers and instructors** **Room 3**
Moderator: Gordon West, WB6NOA
Learn and have fun with one of the most renowned amateur radio
instructors. You never know what will happen when Gordon picks up the
microphone but you will leave this show raring to get in front of a
classroom!
- 3:45 p.m. – 5:00 p.m.** **Techniques of the Best Operators** **Room 3**
Moderator: Mitch Stern, W1SJ
Speaker: Tony Pazzola, W2BEJ
In this forum, we will look at all the little things which add up to success on
the air. Learn how to listen and how to speak. Pick up some pointers on
what equipment and antennas work best. Find out how your station can be
set up for maximum success. Learn the attitude you should adopt to insure
this success.
These techniques will help you no matter what your preference is - be it
Ragchewing, DXing, Contesting, or Public Service. Learn to be a better
operator, put more contacts in the log, and having more fun!
- 9:15 a.m. – 10:15 a.m.** **QRP** **Room 5**
Moderator: Ken Evans, W4DU
Speaker: George Dobbs, G3RJV
Now that I Built it, Who Can I Work?
We will provide information on building and operating small rigs. Learn
where to find information on these small simple QRP rigs that you can
build. Discover how many hams have worked the world using this gear.
Anyone interested in having over 300 DXCC confirmed using one watt and
simple receivers? Come and see how it’s done and join in on doing more
with less.

- 10:30 a.m. – 11:30 a.m. ARRL Field Day Room 5**
Moderator: Dan Henderson, N1ND
A group of "Field Day" aficionados will share some helpful hints they have garnered from decades of Field Day operations. Special Field Day 2009 posters will be available to participants (while they last) as well as some special Field Day surprises. Come learn more about some of the unique and fulfilling ways groups across the US and Canada get on the air to celebrate ARRL Field Day.
- 11:45 a.m. – 12:45 p.m. The Joy of QSL Cards, Special Events and Awards Room 5**
Moderator: Bob Dixon, W8ERD
QSL cards are interesting and fun to collect, in addition to their role in qualifying for awards. They are often historic, beautiful, humorous and educational. Various methods of sending and receiving QSL cards, including electronic, will be discussed, and handouts will be provided to everyone. Special operating events are fun and easy for modest stations, including things like Route 66 - The Mother Road; The Great Bathtub Race; The World Soccer Cup; and the World Radiosport Championships. Special Awards are often earned for things like Emergency Communications, Volunteer Service, and contacting specific groups of stations, such as All States or 100 countries. A large display board exhibiting many special events and awards will be shown and described.
- 1:00 p.m. – 2:15 p.m. Alternative Energy Sources Room 5**
Moderator: Frank Beafore, WS8B
With portability required for field experiments and emergency service activities, off-grid energy sources are desirable. This forum will discuss an array of available alternative energy choices with emphasis on micro-fuel cells. A presentation of Fuel Cell principals and a hands-on radio demonstration of portable Fuel Cell applications will be included.
- 2:30 p.m. – 5:00 p.m. Software Defined Radio Room 5**
Moderator: Bob McGwier, N4HY
“Status of Microwave Engineering Project”, Michelle Thompson, W5NYV
“A Top Secret Proposal for Contesting”, Doug Grant, K1DG
“New Offerings from Flex Radio”, Gerald Youngblood, K5SDR
“The Elecraft K3 as an SDR”, Lyle Johnson, KK7P
“HPSDR Project Update”, Scotty Cowling, WA2DFI
“Operating with an SDR”, Joel Harrison, W5ZN, ARRL President